Application No.: Not Yet Assigned Docket No.: 0425-1171PUS1

AMENDMENTS TO THE CLAIMS

1. (Original) A paper quality improver for papermaking, comprising a copolymer (A)

having a constituent unit derived from at least one nonionic monomer having a solubility

parameter of 20.5 (MPa)<sup>1/2</sup> or less and a constituent unit derived from at least one anionic or

cationic monomer and a surfactant (B) at an (A)/(B) ratio in the range of 99/1 to 1/99 (weight

ratio), the quality improver providing at least one paper quality improving effect of the

followings (i), (ii), and (iii):

(i) standard improved bulky value: 0.02 g/cm<sup>3</sup> or more;

(ii) standard improved opacity: 1.0 point or more; and

(iii) standard improved brightness: 0.5 point or more.

2. (Original) A paper quality improver for papermaking, comprising a copolymer (A)

having a constituent unit derived from at least one nonionic unsaturated monomer having a

solubility parameter of 20.5 (MPa) 1/2 or less and a constituent unit derived from at least one

anionic or cationic monomer and a surfactant (B) at a rate in the range of (A)/(B) = 99/1 to 1/99

(weight ratio), the quality improver providing at least one paper quality improving effect of the

followings (i), (ii), and (iii):

(i) standard improved bulky value: 0.02 g/cm<sup>3</sup> or more;

(ii) standard improved opacity: 1.0 point or more; and

(iii) standard improved brightness: 0.5 point or more.

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3. (Original) A paper quality improver for papermaking, comprising a copolymer (A) having a constituent unit derived from at least one nonionic monomer having a solubility parameter of 20.5 (MPa)<sup>1/2</sup> or less in a total amount of 5 to 84% by weight in the polymer and a constituent unit derived from at least one anionic or cationic monomer in a total amount of 1 to 80% by weight in the polymer and a surfactant (B) at an (A)/(B) ratio in the range of 99/1 to 1/99 (weight ratio).

- 4. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 3 claim 1, wherein the copolymer (A) further comprises a constituent unit derived from at least one nonionic unsaturated monomer having a solubility parameter of 26.6 (MPa)<sup>1/2</sup> or more.
- 5. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein, as the contents of the constituent monomers, the copolymer (A) comprises 5 to 84% by weight of the nonionic unsaturated monomer having a solubility parameter of 20.5 (MPa)<sup>1/2</sup> or less, 1 to 80% by weight in total of the anionic monomer and the cationic monomer and 15 to 94% by weight of the nonionic unsaturated monomer having a solubility parameter of 26.6 (MPa)<sup>1/2</sup> or more.
- 6. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein one of the constituent monomers of copolymer (A) further comprises a crosslinkable constituent monomer.

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7. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein the HLB of the surfactant (B) is in the range of -5 to 15.

- 8. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein the surfactant (B) is nonionic.
- 9. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein the surfactant (B) is a surfactant selected from alcohols and alcohol alkylene oxide adducts containing an alkylene oxide group having 2 to 4 carbons in an average amount of 0 to less than 150 moles per 1 mole of the alcohol.
- 10. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, wherein the surfactant (B) is water-soluble.
- 11. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, further comprising a water-soluble polymer (C) having at least one of a weight-average molecular weight of 1000 to 10,000,000 and a viscosity at 25°C in an 1% aqueous solution of 1 to 4,000 mPa·s.

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12. (Currently Amended) The paper quality improver for papermaking according to any one of claims 1 to 4 claim 1, exerting the effect of a standard improved ratio in burst index of 3,000 or more.

- 13. (Currently Amended) A process of producing a pulp sheet, comprising the steps of adding the paper quality improver for papermaking according to any one of claims 1 to 4 claim 1 to pulp in any step before a papermaking step and papermaking the pulp at a papermaking speed of 200 m/min or more.
- 14. (Currently Amended) A pulp sheet comprising the paper quality improver for papermaking according to any one of claims 1 to 4 claim 1.